

# Leadership

## PUTS YOU IN THE SPOTLIGHT —AND ALSO “ON THE SPOT”!

A spark of inspiration or a stroke of luck may put any product in the spotlight for a while. But TOLEDO knows it takes *real leadership*... based on constantly thinking ahead in research, engineering, manufacturing and sales policies... to keep a line of products at the top year after year. This has been the TOLEDO way of leadership in Pipe Tools for nearly half a century. It's not an easy way... leadership never is. It means never being completely satisfied... never letting up in our efforts to do a better job. That's why TOLEDO will continue delivering better Pipe Tools today... and tomorrow.



### SELF-CONTAINED SIMPACT for pace-setting efficiency

One set of high speed steel dies does the work of four—with a TOLEDO Simpact Threader! Threads 1" to 2" pipe. Sizes changed instantly. Entirely self-contained. No loose parts. Designed for easier operation and long dependable service. In ordering from your dealer, specify a TOLEDO Simpact—the unbeatable self-contained threading tool!...The Toledo Pipe Threading Machine Co., Toledo, Ohio. New York Office, No. 2 Rector St. Bldg.

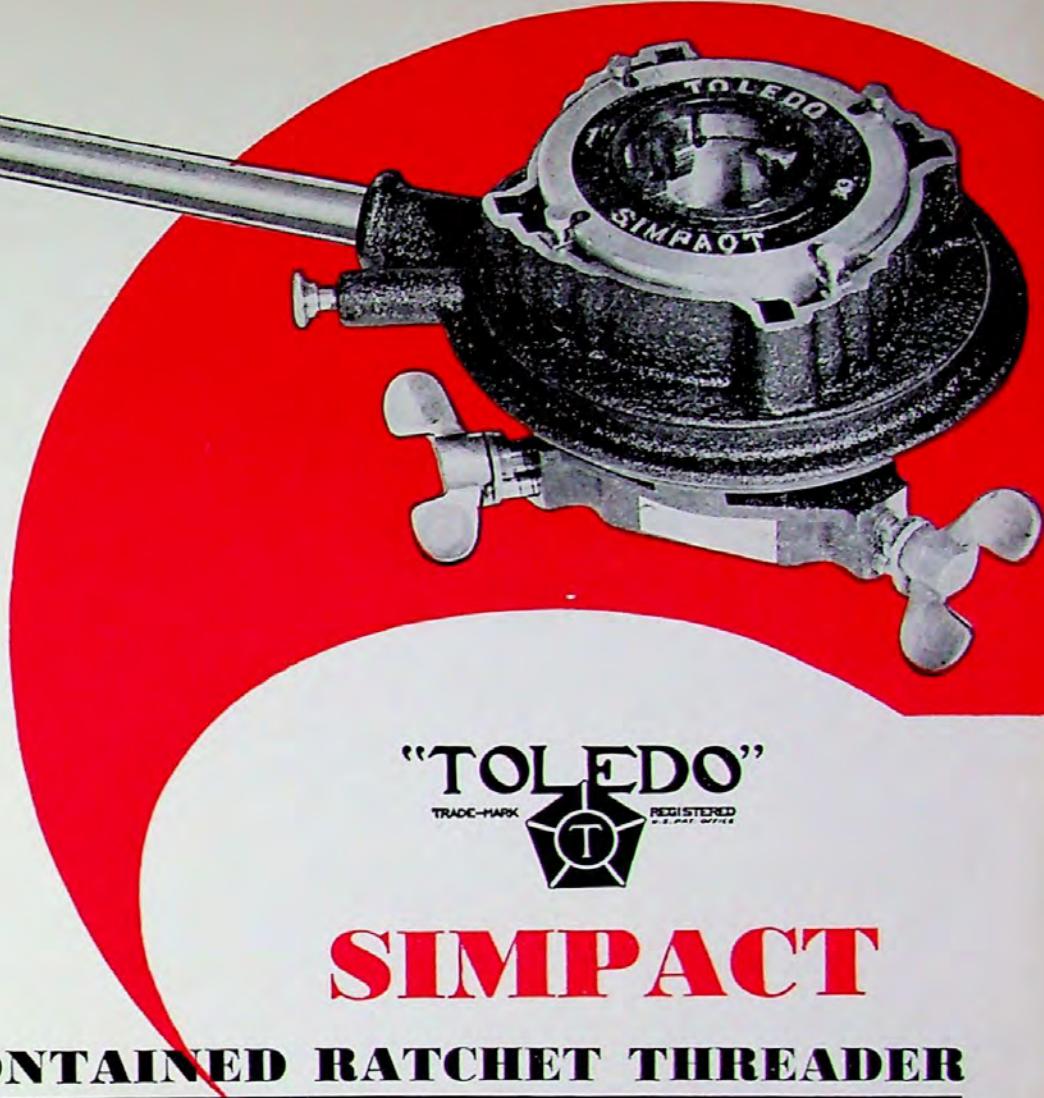
**TOLEDO**  
PRECISION PIPE TOOLS

# PRICE LIST

Users Net Price	Page	Users Net Price	Page		
Simpact Ratchet Threading Device \$	18.70	3-4	No. 2½ Geared threader -----	100.00	7
No. 101 full-mounted for ¼, 5/16, ¾, 7/16, ½, 9/16 and 5/8" either NC or NF with box -----	27.50	5	No. 3 Geared threader -----	150.00	7
No. 00 Ratchet threader ½" and ¾" only -----	7.48	6	No. 4 Geared threader -----	250.00	7
No. 00 Ratchet threader ¾" to ¾" only -----	10.12	6	No. 2BR Geared threader -----	66.00	7
No. 00 Ratchet threader ¼" to ¾" only -----	12.76	6	No. 25BR Geared threader -----	115.00	7
No. 00 Ratchet threader ½" to ¾" Steel Carrying case for No. 00 threader -----	15.40	6	Standard Power Drive AC 60 or 50 cycle -----	275.00	8
No. 11 Ratchet threader ½" to 1" only -----	1.37	6	Standard Power Drive AC 25 cycle	330.00	8
No. 11 Ratchet threader ½" to 1¼" only -----	11.33	6	Super Power Drive 3 phase 220-440 volt -----	357.50	8
No. 11 Ratchet threader ¼" to 1" only -----	14.19	6	Universal Power Drive 230 volt -----	220.00	8
No. 11 Ratchet threader ¾" to 1" only -----	17.05	6	Universal Power Drive 115 volt -----	220.00	8
No. 11 Ratchet threader ½" to 1¼" only -----	14.19	6	Special adjustable safety device -----	55.00	8
No. 11 Ratchet threader ½" to 1" only -----	17.05	6	Special attachment for No. 1 tool -----	2.75	8
No. 11 Ratchet threader ½" to 1¼" only -----	19.91	6	Thread cutting oil (plus federal sales tax) per gal. -----	1.10	9
No. 11 Ratchet threader ¼" to 1¼" only -----	22.77	6	Junior Ratchet Reamer ½" to 2" -----	6.60	9
Steel Carrying Case for No. 11 threader -----	19.91	6	Ratchet Reamer ¾" to 3" -----	7.70	9
No. 12 Ratchet threader 1" to 2" only -----	2.20	6	No. 1½R Threader 8 thread -----	29.70	9
No. 12 Ratchet threader ½" to 2" -----	17.38	6	No. 1½R Threader 11½ thread -----	33.00	9
No. 12 Ratchet threader ¼" to 2" -----	23.10	6	No. 00 Vise ½" to 1½" -----	3.85	9
No. 12 Ratchet threader ½" to 2" ½", ¼" or ¾" Adj. pipe die head with dies No. 00 -----	28.82	6	No. 0 Vise ½" to 2½" -----	4.67	9
½" or ¾" Adj. pipe die head with dies No. 00 -----	31.68	6	No. 3 Vise ½" to 4½" -----	11.00	9
½", ¼", 5/16", ¾", 7/16", ½" or 9/16" Adj. bolt die head with dies No. 00 -----	3.68	each	Clamp for No. 00 Vise -----	1.65	9
¾", ¾", ¾" or 1" Adj. bolt die head with dies No. 00 -----	3.85	each	Handy Stand only -----	5.77	9
No. 30 3-way threader ¾", ½" and ¾" -----	3.68	each	Handy Stand with tool tray -----	6.87	9
No. 31 3-way threader ½", ¾" and 1" -----	3.85	each	Handy Stand with tool tray and pipe bender -----	8.52	9
No. 101 full-mounted ¼", 5/16", ¾", 7/16", ½", 9/16" or 5/8" NC or NF with box -----	27.50	6	No. 0 Vise ½" to 2½" -----	4.67	9
No. 101 full-mounted for 1 size only -----	3.52	6	Handy stand with tool tray, pipe bender and No. 0 Vise ½" to 2½" -----	13.20	9
No. 102 full-mounted for 1 size only -----	4.40	6	Pipe Bender -----	1.65	9
No. 101 complete with any five of the following sizes—½", 5/16", ¾", 7/16", ½", 9/16" or 5/8" NC or NF with box -----	10.56	6	No. 4 Work Bench -----	11.22	9
Small metal box No. 101 -----	.88	6	No. 5 Work Bench -----	13.20	9
No. 102 complete with any five of the following sizes—½", 9/16", ¾", ¾", ¾" or 1" NC or NF with box -----	12.95	6	No. 9 Work Bench -----	82.50	9
Metal box for No. 102 -----	1.76	6	No. 18 Work Bench -----	138.60	9
No. 0 threader ½" to ¾" -----	13.75	6	No. 999 Super model with 6 Q. O. die heads and 6 sets dies ½" to 2" -----	385.00	10
No. 0 threader ½" to ¾" -----	12.00	6	No. 999 Super model with 3 Q. O. die heads and 6 sets dies ½" to 2" -----	340.95	10
Simpact Ratchet Threader -----	18.70	6	No. 999 Super model with 3 Q. O. die heads and 9 sets dies ½" to 2" -----	352.80	10
No. 1 threader -----	12.10	7	No. 999 Standard model with 6 non-opening die heads and 6 sets dies ½" to 2" -----	302.50	10
No. 1A Ratchet threader -----	14.30	7	No. 999 Standard model with 9 non-opening die heads and 9 sets dies ½" to 2" -----	316.20	10
No. 1BR Ratchet threader -----	16.50	7	Enclosed steel stand with partitioned die head box and 16" steel tired wheels -----	24.75	10
No. 40 Automatic Pipe Cutter -----	75.00	7	2" High Speed machine with 220-440 volt 3 phase 60 cycle motor -----	825.00	11
No. 80 Automatic Pipe Cutter -----	150.00	7	2" High Speed machine with 230 volt 1 phase 60 cycle motor -----	852.50	11
No. 250 Geared pipe cutter -----	80.00	7	2" High Speed machine with 220-440 volt 3 phase 25 cycle motor -----	852.50	11
No. 300 Geared pipe cutter -----	105.00	7	2" High Speed machine with D.C. 230 volt motor -----	852.50	11
No. 350 Geared pipe cutter -----	130.00	7	2" High Speed machine with collet, quick-acting chuck and 220-440 volt 3 phase 60 cycle motor ½" to 2" -----	935.00	11
No. 400 Geared pipe cutter -----	150.00	7	No. 1-2-4 machine with 220-440 volt, 3 phase, 60 cycle motor -----	1,540.00	12
No. 2 Geared threader -----	60.50	7	No. 1-2-4 machine with 220-440 volt, 3 phase, 25 cycle motor -----	1,595.00	12
			No. 1-2-4 machine with 230 volt, 1 phase, 60 cycle motor -----	1,622.50	12
			No. 1-2-4 machine with D.C. 230 volt motor -----	1,650.00	12

All prices F.O.B. Toledo, Ohio or Distributors' stocks. Prices subject to change without notice. Prices do not exceed "ceiling" prices of gen. price reg. or max. price reg. No. 136 of O.P.A.

**SIMPACT**  
**IS THE**  
**SIMPEST,**  
**MOST COMPACT,**  
**EASIEST CUTTING,**  
**MOST RUGGED,**  
**MOST ACCURATE,**  
**EASIEST TO ADJUST,**  
**MOST ATTRACTIVE,**  
**AND EASIEST TO**  
**CHANGE DIES**  
**OF ANY 1" to 2"**  
**SELF-CONTAINED**  
**THREADERS.**



**"TOLEDO"**  
TRADE-MARK  
REGISTERED  
U.S. PAT. OFFICE

## **SIMPACT**

### **1" to 2" SELF-CONTAINED RATCHET THREADER**

This new "TOLEDO" SIMPACT ratchet threader is the finest and most remarkable self-contained 1" to 2" pipe tool on the market. It has many exclusive features not found in any other self-contained ratchet tools. Dies bear directly against the tapered steps. It is simple in construction. Has few moving parts. Easily cleaned. Easily disassembled. Has beautiful crackle finish.

SIMPACT is the easiest operating self-contained 1" to 2" threader on the market. It is the easiest to adjust and the easiest to change dies. Just push the size selector buttons, slip the dies in the proper steps, turn the head slightly and the die size is changed. SIMPACT has much larger wearing surfaces than any cam type receder and less internal friction and less lost motion.

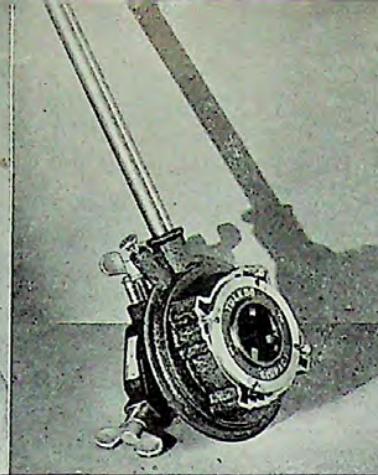
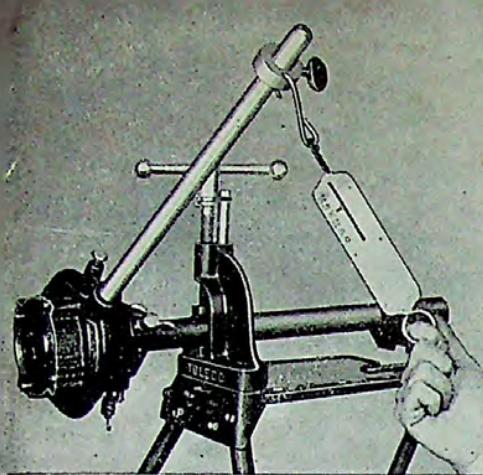
SIMPACT dies bear directly against tapered steps which assures a uniform tapered thread at all times.

See Next Page



A "TOLEDO" SIMPACT Die change is quick and easy. Just push the die selector buttons, turn head slightly, slip dies in proper steps. That's all.

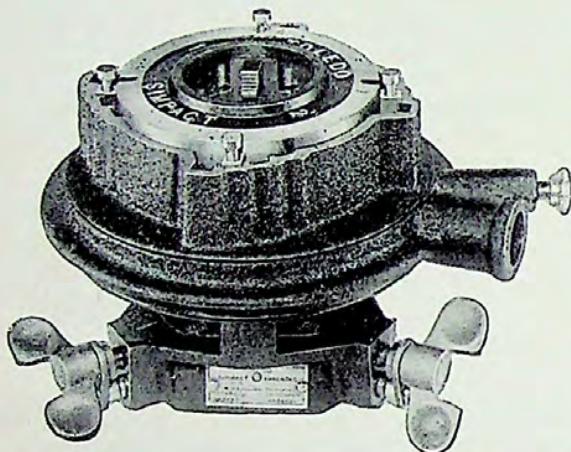
**Page 3**



The "Torque-Test" proves a "TOLEDO" SIMPACT is the easiest operating 1" to 2" self contained tool.

A "TOLEDO" SIMPACT is light in weight, but strong. It balances nicely when set down.

A "TOLEDO" SIMPACT has automatic drip oiling. Oil pockets in head collects oil and drips directly on dies. No waste.



desires a tool to thread all sizes from 1" to 2" pipe with one set of dies. Simplicity, compactness, ease of operation, quick and easy die change, light weight, durability and long life and the ability to cut smooth, perfectly tapered threads. The "TOLEDO" SIMPACT has everything.

## "TOLEDO" SIMPACT Complete, 1" to 2" Ratchet Threader

See Page 2

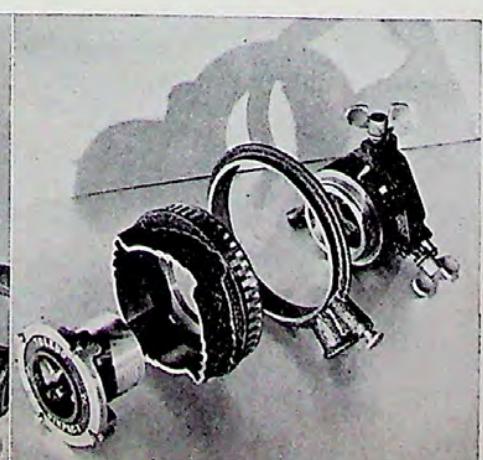
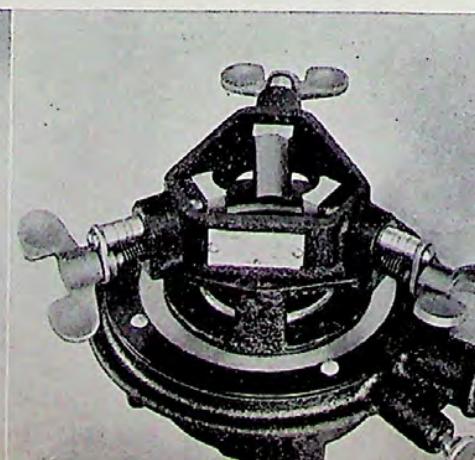
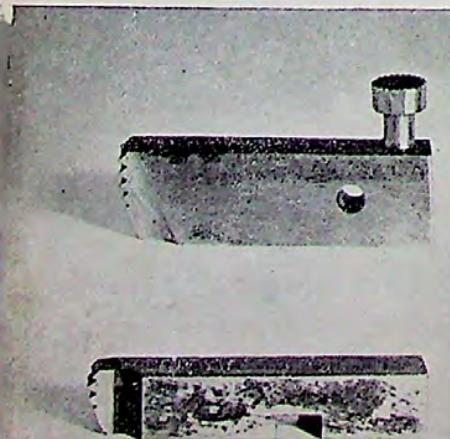
For Price

### Page 4

"TOLEDO" SIMPACT dies are deep throated and easily resharpened. No frail slotted cam type dies.

A "TOLEDO" SIMPACT has the most accurate, positive centering device of any 1" to 2" self contained tool.

A "TOLEDO" SIMPACT has fewer moving parts and will out-wear and out-perform other self-contained tools.





No. 101 F. M. BOLT SETS  
Are Easily Carried in the  
Strong Red Metal Box.

bolt die has this advantage. Thus smoother, cleaner threads. Dies easily reshaped. It's the biggest bargain in bolt die sets today. Fine, high quality tools, at a price for no more than ordinary bolt die stocks.

No. 101 F. M. Complete With 7 Full-Mounted Adjustable Bolt Stocks and Dies— $\frac{1}{4}$ -in.,  $\frac{5}{16}$ -in.,  $\frac{3}{8}$ -in.,  $\frac{7}{16}$ -in.,  $\frac{1}{2}$ -in.,  $\frac{9}{16}$ -in. and  $\frac{5}{8}$ -in., all Packed in Partitioned Red-Metal Box, User's Net Price

(Specify whether N. C. or N. F. Thread)

See Page 2  
For Price

Actual Size  
Illustration of a  
No. 101 Full-Mounted Die Stock



Adjustment For Size of  
Thread Is Easily and Quickly Made.



### "TOLEDO" Small Ratchet Threaders

No. 00, R.H. Threads  $\frac{1}{2}$ " to  $\frac{3}{4}$ " Pipe  
 No. 00, R.H. Threads  $\frac{3}{8}$ " to  $\frac{3}{4}$ " Pipe  
 No. 00, R.H. Threads  $\frac{1}{4}$ " to  $\frac{3}{4}$ " Pipe  
 No. 00, R.H. Threads  $\frac{1}{8}$ " to  $\frac{3}{4}$ " Pipe  
 No. 00, Steel Carrying Case  
 No. 11, R.H. Threads  $\frac{1}{2}$ " to 1" Pipe  
 No. 11, R.H. Threads  $\frac{1}{2}$ " to  $\frac{1}{4}$ " Pipe  
 No. 11, R.H. Threads  $\frac{1}{4}$ " to 1" Pipe  
 No. 11, R.H. Threads  $\frac{3}{8}$ " to 1" Pipe  
 No. 11, R.H. Threads  $\frac{1}{8}$ " to  $\frac{1}{4}$ " Pipe  
 No. 11, R.H. Threads  $\frac{1}{8}$ " to  $\frac{1}{4}$ " Pipe  
 No. 11, R.H. Threads  $\frac{1}{4}$ " to  $\frac{1}{4}$ " Pipe  
 No. 11, R.H. Threads  $\frac{1}{8}$ " to  $\frac{1}{4}$ " Pipe  
 No. 11, Steel Carrying Case  
 No. 12, R.H. Threads 1" to 2" Pipe  
 No. 12, R.H. Threads  $\frac{1}{2}$ " to 2" Pipe  
 No. 12, R.H. Threads  $\frac{1}{4}$ " to 2" Pipe  
 No. 12, R.H. Threads  $\frac{1}{8}$ " to 2" Pipe

Desirable, small, compact, ratchet threaders. Excellent for close corner jobs. Instant die change. Dies easily reground or replaced.

No. 00 can be furnished with  $\frac{5}{8}$ ",  $\frac{1}{2}$ " and  $\frac{3}{4}$ " left hand die heads and dies;  $\frac{3}{4}$ " die head and dies for Boston Brass fine thread tubing, and  $\frac{1}{2}$ " and  $\frac{3}{4}$ " Brass Pipe Dies.

No. 11 can be furnished with special dies for cutting straight threads on electric conduit, and Brass Pipe Dies.

No. 12 can be furnished with special  $\frac{1}{4}$ ",  $\frac{1}{2}$ " and  $\frac{3}{8}$ " die head and pipe dies. Brass pipe dies same price as regular pipe dies.

Close-Up View of No. 11-No. 12 Die Heads.

### "TOLEDO" No. 00 Adjustable Pipe & Bolt Die Heads

Operate with regular No. 00 ratchet handle or new 2 handle stock. Standard threads, or an over or under adjustment of 4 to 5 turns on pipe and  $1/64$ " on bolts are obtained by loosening cover screws and turning the knurled ring until the dies are set to the desired size. The die segments may be easily removed and reground when they become dull, or replaced at small expense.

$\frac{1}{8}$ ",  $\frac{1}{4}$ " or  $\frac{3}{8}$ " Adj. Pipe Die Head Comp. R.H.

$\frac{1}{2}$ " or  $\frac{3}{4}$ " Adj. Pipe Die Head Comp. R.H.

$\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ " or  $\frac{9}{16}$ " Adj. Bolt Die Head with N. C. or N. F., R.H. Bolt Dies

$\frac{1}{8}$ ",  $\frac{1}{4}$ ",  $\frac{3}{8}$ " or 1" Adj. Bolt Die Head with N.C. or N.F., R.H. Bolt Dies



See page 2 for prices



### "TOLEDO" 3-Way Pipe Threaders

No. 30, R.H. Threads  $\frac{3}{8}$ " to  $\frac{3}{4}$ " Pipe  
 No. 31, R.H. Threads  $\frac{1}{2}$ " to 1" Pipe } See page 2  
 No. 30 weighs 4 $\frac{1}{2}$  lbs. NET. No. 31 weighs 7 lbs. NET. Dies easily removed and reground when dull or replaced at slight cost. No adjustments, no loose parts, ample chip clearance. Can be furnished at no extra cost with special dies for straight threads on electric conduit, or with special brass pipe dies and brass plated covers.

### "TOLEDO" No. 101 and No. 102 Adjustable Bolt Die Stocks

Full-mounted, ready for instant use. No dies to change. No lost time. Adjustable for deep or shallow as well as standard threads. Segmental dies are easily resharpened or replaced at low cost. No.

101 capacity  $\frac{1}{4}$ " to  $\frac{5}{8}$ ". No. 102 capacity  $\frac{1}{2}$ " to 1". Either N.C. or N.F. thread. Any combination can be ordered.

No. 101—Full-mounted  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ ",  $\frac{9}{16}$ " with metal case } See page 2

No. 101—Full-mounted for one size only } for prices

No. 102—Full-mounted for one size only

Also furnished with 1 stock only and with dies and guides in any combination desired. Either N.C. or N.F. thread as outlined below.

No. 101 complete with any 5 of the following

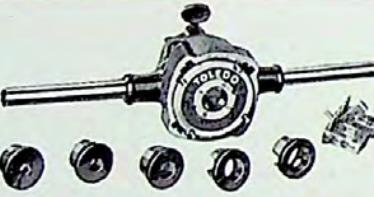
sizes:  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ ",  $\frac{9}{16}$ ",  $\frac{5}{8}$ ", and box } See page 2 for prices

Metal Box for No. 101

No. 102 complete with any 5 of the following

sizes:  $\frac{1}{2}$ ",  $\frac{9}{16}$ ",  $\frac{5}{8}$ ",  $\frac{3}{4}$ ",  $\frac{7}{8}$ ", 1" with box } See page 2 for prices

Metal Box for No. 102



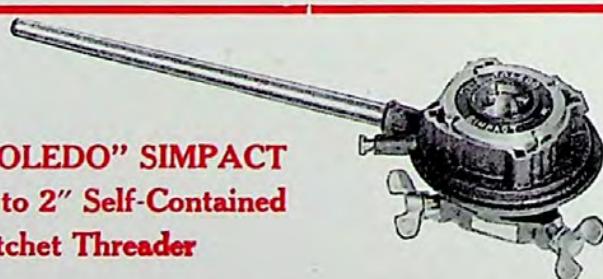
### "TOLEDO" No. 0 Adjustable Threader

$\frac{1}{8}$ " to  $\frac{3}{4}$ " Pipe Inclusive

No. 0 Complete  $\frac{1}{8}$ " to  $\frac{3}{4}$ " R.H.  
 No. 0 Complete,  $\frac{1}{4}$ " to  $\frac{3}{4}$ " R.H.

} See page 2

Only 24" long from tip to tip of handles. Adjustable for oversize and undersize as well as standard threads. Uses receding die principle for  $\frac{1}{2}$  and  $\frac{3}{4}$  sizes. Net weight but 8 $\frac{1}{2}$  pounds.

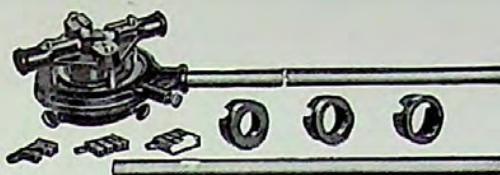


### "TOLEDO" SIMPACT 1" to 2" Self-Contained Ratchet Threader

SIMPACT, R.H., Complete

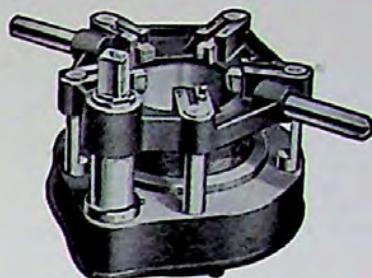
See page 2 for price

Threads 1" to 2" pipe with one set of dies. Operates easily. Automatic oiling—oil pockets are filled at start of thread and oil continues to drip and run on pipe and dies as thread is being cut. Sizes changed with the finger tips in a fraction of time usually required. Dies are backed by full-width tapered steps, assuring positive taper and long wear. No cams. Dies are high speed steel and can be resharpened several times. Handle is 24" long. Centering device is accurate and simple in operation. Black crackle finish. The finest 1" to 2" self-contained threader. Net weight is but 20 $\frac{1}{4}$  lbs.



### "TOLEDO" 1" to 2" Adjustable Threaders

No. 1, Plain, R.H., Complete,  
No. 1A, Ratchet, R.H., Complete } See page 2  
First of the so-called easy operating threaders. Adjustable for cutting over and undersize as well as standard threads. Strong, durable, will stand years of service. No. 1A is desirable for restricted places. One of the easiest operating 2" threaders. May be used with 2 handles or ratchet. No. 1 weighs 19 lbs. No. 1A weighs 22 lbs. Both tools can be furnished for left hand and for threading electric conduit.

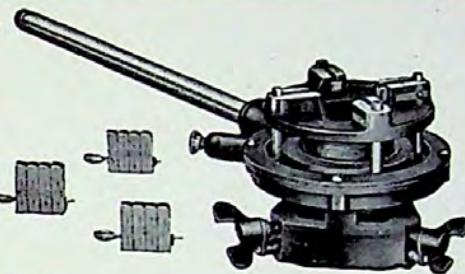


### "TOLEDO" Geared Adjustable Threaders

No. 2, R.H., Threads 2½" to 4" Incl.  
No. 2½, R.H., Threads 4½" to 6" Incl.  
No. 3, R.H., Threads 4½" to 8" Incl.  
No. 4, R.H., Threads 9" to 12" Incl. } See page 2  
for prices

### "TOLEDO"

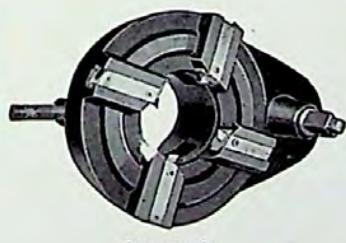
No. 1BR  
1" to 2"  
Ratchet  
Threader



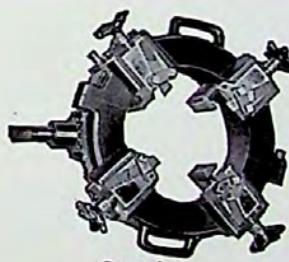
No. 1BR, R.H., Ratchet

See page 2

No. 1BR is similar to the No. 1 and 1A tools, except for the new type of pipe holder. No bushings are needed with this new three jaw pipe holder. Large winghead thumb screws with micrometer line guide bars make these the easiest and quickest 1" to 2" tools to center on the pipe. The three broad-faced chuck jaws hold the tools rigidly to the pipe, assuring clean cut, perfectly tapered threads. Excellent for brass or copper as well as iron or steel pipe, as the broad-faced chuck jaws do not mar polished pipe. The large winghead thumb screws are extremely easy to tighten. Regular No. 1 and 1A dies, a separate set for each size of pipe, are used in the No. 1BR tools. Pipe holder will take a 2" coupling to permit the cutting of short nipples. Net weight, 22 lbs.



Automatic



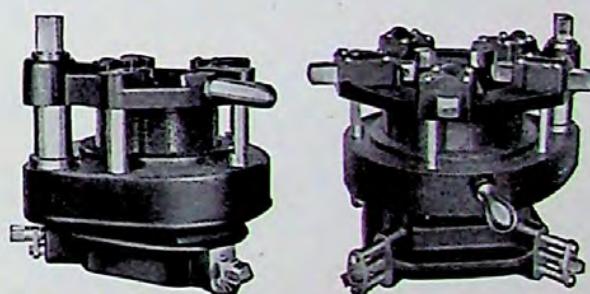
Geared

### "TOLEDO" Pipe Cutters

No. 40 Automatic, Cuts 2" to 4" Incl.  
No. 80 Automatic, Cuts 4½" to 8" Incl.  
No. 250 Geared, Cuts 2½" to 6" Incl.  
No. 300 Geared, Cuts 4½" to 8" Incl.  
No. 350 Geared, Cuts 7" to 10" Incl.  
No. 400 Geared, Cuts 9" to 12" Incl. } See page 2  
for prices

"TOLEDO" automatic pipe cutters. Positive automatic knife feed by means of a scroll mechanism. Cut off pipe quickly with a straight square end cut without burr, chamfering outer edge if desired. No. 40 weighs 70 lbs. net. No. 80 weighs 173 lbs. net.

"TOLEDO" geared pipe cutters. Hand feed and cut off pipe accurately, leaving straight square end cut without burr. May be split apart and clamped around pipe in a line to be cut off. Special 45° bevel cutter blades or grooving tools for Victaulic Couplings can be furnished. No. 250 weighs 98 lbs. net. No. 300, 125 lbs. net. No. 350, 150 lbs. net. No. 400, 175 lbs. net. Operated with ratchet handle or "TOLEDO" power drive.



### "TOLEDO" Geared Adj. Super-Threaders

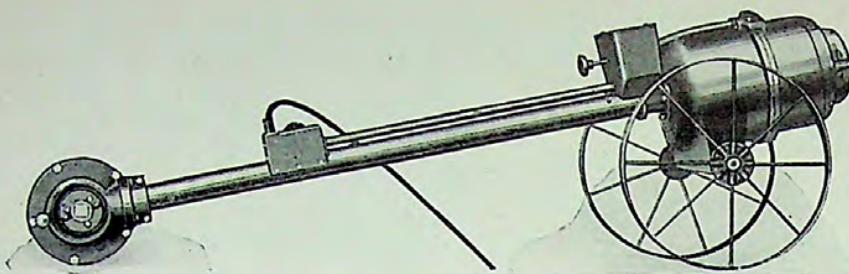
No. 2BR, R.H., Threads 2½" to 4" Incl.  
No. 25BR, R.H., Threads 2½" to 6" Incl. } See page 2

Pipe holders are fitted with broad faced chuck jaws and micrometer line guide bars to center the tools on the pipe. No bushings are required and the tools are extremely easy to accurately center, assuring clean-cut, perfectly tapered threads. Excellent for brass or copper, as well as iron or steel pipe, as the broad faced chuck jaws do not mar polished pipe.

No. 2BR weighs 84 lbs. net. The pipe holder is fitted with three broad faced chuck jaws and the tool uses a separate set of dies for each size of pipe from 2½" to 4".

No. 25BR weighs 181 lbs. net. The pipe holder is fitted with four broad faced chuck jaws and the tool uses one set of dies to thread all sizes of pipe from 2½" to 6". Easy, positive die change and an extra set of dies is furnished with this tool.

Each tool is also furnished with a complete set of dies, set screw wrench and a ratchet handle.



"TOLEDO" Standard Power Drive uses a  $1\frac{1}{2}$  H.P. A.C. motor. "TOLEDO" Super Power Drive is larger and heavier than the standard drive, and has a  $2\frac{1}{2}$  H.P. 3 Ph. A.C. motor.



## "Toledo" Power Drives



A "TOLEDO" Standard Power Drive operating a "TOLEDO" No. 3 tool threading 8" pipe in less than four minutes.



The Special Yoke and Handles for operating a "TOLEDO" No. 1 tool.

"TOLEDO" Universal Power Drive using a 115 volt universal motor. Can be plugged into any 115 volt lamp socket.

Portable, electric power units to operate threading and cutting tools, or other equipment using hand cranking methods. Drives are similar in design.

"TOLEDO" STANDARD POWER DRIVE, when operating "TOLEDO" tools will thread 4" pipe in 2 minutes, 8" in  $3\frac{1}{2}$  minutes; 4" pipe cut off in  $1\frac{1}{2}$  minutes, 8" in  $2\frac{1}{2}$  minutes. It has a  $1\frac{1}{2}$  H.P. A.C. motor, 2-speed transmission gearing controlled by gear shifting lever. Special toggle joint switch. Driving head is furnished with two driving bushings to fit the two sizes of pinions used on the various "TOLEDO" tools. At slow speed it rotates at 38 R. P. M. and at high speed 57 R. P. M.

Length of Standard Power Drive overall is approximately 6 ft. Net weight varies from 230 to 273 lbs. Shipping weight from 328 to 370 lbs. Iron wheels are 18" in diameter.

"TOLEDO" SUPER POWER DRIVE—Similar to Standard Drive but larger. Furnished with a  $2\frac{1}{2}$  H. P. 3-phase A.C. motor only, either 220 or 440 volts. When operating a "TOLEDO" No. 3 tool  $4\frac{1}{2}$ " pipe is threaded in 2 minutes, and 8" in less than 3 minutes. When operating a No. 80 cutter 4" pipe is cut off in 45 seconds and 8" pipe in 50 seconds. Driving head rotates at 57 R.P.M., at low speed and 97 R.P.M. at high speed. Super Drive weighs 378 lbs. net, shipping weight 396 lbs.

"TOLEDO" UNIVERSAL POWER DRIVE with  $\frac{1}{2}$  H. P. universal motor operated from a lamp socket on any 115 volt current. Can also be furnished with 230 volt universal motor. This drive, unlike other models, has reversible motor, controlled by a turn of the switch. Is powerful enough to operate "TOLEDO" tools up to and including 12", yet is not as fast or efficient as Standard or Super Drives. Net weight 165 lbs. Shipping weight 242 lbs.

Also adapted for opening and closing large manually operated gate valves. Driving head may be turned for either horizontal or vertical stem valves. Reversible motor will either open or close the gate.

A special yoke and pair of short handles may be furnished to permit the use of the "TOLEDO" No. 1 with a "TOLEDO" Power Drive, as indicated in the illustration. This equipment enables an owner of a Power Drive at a very small cost to have efficient means to thread 1" to 2" pipe by power.

Standard Power Drive with A. C. 60 or 50 Cycle Motor  
Standard Power Drive with A. C. 25 Cycle Motor  
Super Power Drive with A. C. 3-Ph. 220-440 Volt Motor  
Universal Power Drive with 115 Volt Universal Motor  
Universal Power Drive with 230 Volt Universal Motor  
Special Adj. Safety Device (for sluice gate operation)  
Special Attachment for No. 1 Tool

See page 2  
for prices



### "Toledo" Black Sulphur Base Thread Cutting Oil

A very high grade superior thread-cutting oil, selected by us as the result of 30 years' experience. It will not turn rancid and assures smoother, cleaner threads, tighter joints and increased die service.

It is economy to use good thread-cutting oil and we recommend "TOLEDO" black sulphur base cutting oil as being especially good, either for hand tools or power machines. It is sold only in sealed, red lithographed 1 gallon and 5 gallon trade marked cans.

See page 2 for price

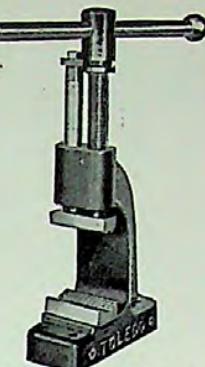
### "TOLEDO" Open-Side Pipe Vises

Practical and convenient quality-built pipe vises. Made in three sizes as listed below. No need of unlatching and tipping back a yoke for long lengths of pipe. The operator simply slips the pipe into the open side and tightens down the jaws. Both upper and lower jaws are full overlapping, and will hold all pipe perfectly. Excellent for fitting makeup work. The jaw construction permits working close to the face of the vise. The jaws may be easily replaced when dull.

The frame and all parts of these vises are extra heavy. The handles are long and oversize permitting easy gripping of the vise jaws.

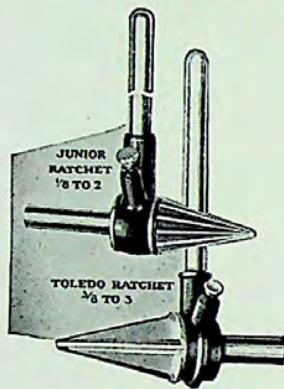
Net weight No. 00 Vise, 6 lbs.; No. 0 Vise, 12 lbs.; No. 3 Vise, 27 lbs. Each vise is well greased and packed in an individual carton, which assures delivery to customer in perfect condition.

No. 00 Vise, Cap.  $\frac{1}{8}$ " to  $1\frac{1}{2}$ " Incl.  
No. 0 Vise, Cap.  $\frac{1}{8}$ " to  $2\frac{1}{2}$ " Incl.  
No. 3 Vise, Cap.  $\frac{1}{8}$ " to  $4\frac{1}{2}$ " Incl.  
Clamp for No. 00 Vise



See page 2  
for prices

### "TOLEDO" Pipe Reamers



#### Junior Ratchet Reamer $\frac{1}{8}$ " to 2"

These new all steel reamers are small, compact and very easy to operate. The multiple tooth reamer head is made from one piece of special heat treated steel. Has accurately ground teeth. Feeds easily with only a slight pressure. Cuts rapidly. Leaves a smooth, clean cut. An excellent 2" reamer especially adapted for plumbers and electricians. Net weight Junior Ratchet  $4\frac{1}{8}$  lbs.

#### Ratchet Reamer, $\frac{3}{8}$ " to 3"

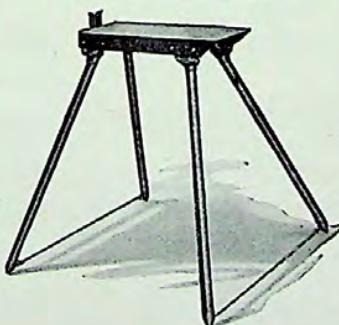
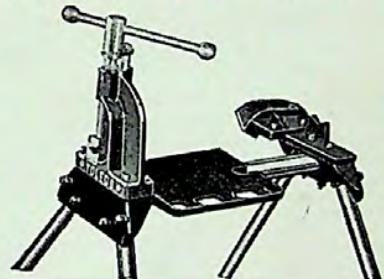
A superior ratchet pipe reamer. High Speed steel cutter blades are cast solidly in the head. Ground with proper clearance for each size of pipe assures easier cutting. When dull can be readily resharpened. Net weight complete  $7\frac{1}{4}$  lbs. A high grade quality reamer at a low price.

Junior Ratchet Reamer, Cap.  $\frac{1}{8}$ " to 2"  
Ratchet Pipe Reamer, Cap.  $\frac{3}{8}$ " to 3"

See page 2

### "TOLEDO" Handy Stand and Vise Mounts

The "TOLEDO" Handy Stand with No. 0 Open-Side Pipe Vise Capacity  $\frac{1}{8}$ " to  $2\frac{1}{2}$ " is a desirable addition to the "TOLEDO" line. High grade malleable iron. Legs held in place by U bolts. Quickly and easily assembled or taken down. No legs or connecting piece furnished. Tool tray holds die stock, pipe wrench, pipe cutter and oil can. Pipe bender bends pipe or conduit up to 1" without kinking.



Toledo Work Benches  
No. 4 and No. 5 are strong beyond need. Legs adjust to uneveness in floor. No. 9 and No. 18 have adjustable chain vise of special design.



### "TOLEDO" No. 1 $\frac{1}{2}$ R Adj. Ratchet Threader

No. 1 $\frac{1}{2}$ R 8 Thread Comp.  $2\frac{1}{2}$ " and 3"  
No. 1 $\frac{1}{2}$ R 11 $\frac{1}{2}$  Thread Comp. 2" to 3"

See page 2

Ratchet operated and weighs but 37 pounds. Made for standard 8 threads for  $2\frac{1}{2}$  and 3 inch sizes. Special oil well tubing tool for 11 $\frac{1}{2}$  threads sizes 2,  $2\frac{1}{2}$  and 3 inch. When ordering state whether 8 thread or 11 $\frac{1}{2}$  thread desired.

Handy Stand Only, (no legs or connecting brace, vise, tool tray or pipe bender)

Handy Stand with Tool Tray

Handy Stand with Tool Tray and Pipe Bender

No. 0 Open Side Vise, capacity  $\frac{1}{8}$ " to  $2\frac{1}{2}$ " pipe

Handy Stand—complete with tool tray, pipe bender and No. 0 vise (no legs or connecting brace)

Pipe Bender

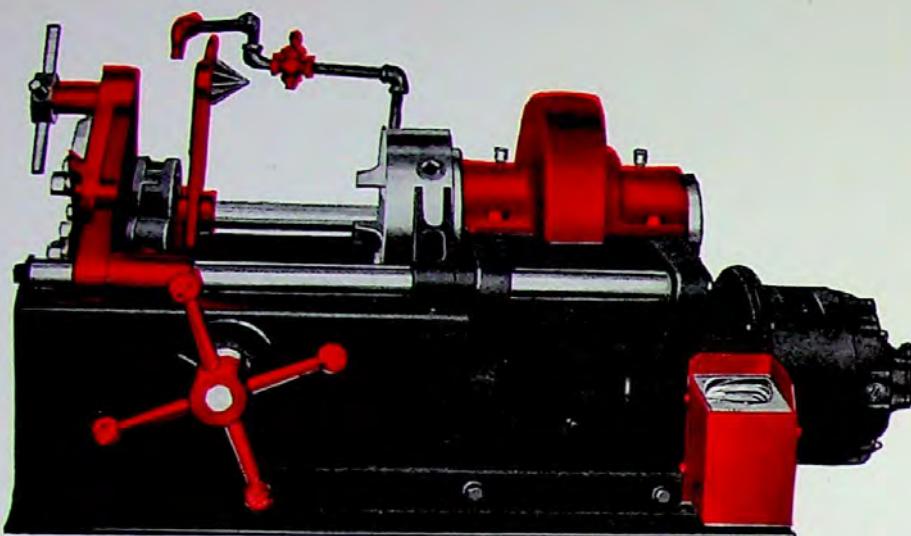
No. 4 Bench for vise to hold up to 2-inch pipe

No. 5 Bench for vise to hold up to  $4\frac{1}{2}$ -inch pipe

No. 9 Bench and vise to hold 2 to 14-inch pipe

No. 18 Bench and vise to hold 2 to 18-inch pipe

See page 2  
for prices



## "TOLEDO" No. 999 Power Pipe Machine

This machine is made in two models—the Super using quick-opening die heads and dies—the Standard using non-opening ring type die heads. Both machines are identical except for style of die heads, and both cut, thread, and ream pipe up to and including 2". The Super model threads bolts from  $\frac{3}{8}$ " to 1  $\frac{1}{2}$ ". Super model threads 2" pipe in 22 seconds, cuts off 2" pipe in 10 seconds, and smaller sizes relatively fast. Standard model threads 2" pipe in 30 seconds, the cutting off time the same as Super.

**CUTTING**—Four cutter knives leave a straight square-end cut without burr. Blades are fed thru a scroll by a small hand wheel. May be resharpened many times.

**REAMING**—Pipe is quickly reamed with a 12-tooth cone type fluted reamer.

**THREADING**—Separate set of dies for each size pipe permit hobbing the dies accurately and assuring proper clearance and perfect threads. All 1" to 2" dies are of high speed steel. Separate quick-opening die heads for Super model furnished for each size, or one head for all dies up to  $\frac{3}{4}$ ", a second head for 1" or  $1\frac{1}{4}$ ", and a third head for  $1\frac{1}{2}$ " or 2". A separate non-opening die head for standard Model machine furnished for each size. Instant die head change.

**RACK AND PINION**—Conveniently located. Thread length gauge.

**CONTROLS**—No gear shifting levers. All controls centralized in forward and reversing switch, conveniently located. Protected by metal switch guard.

**BUSHINGS**—Furnished for each size pipe and only necessary when cutting or threading pipe 6 ft. long or longer.

**PORTABILITY**—May be carried by two men, yet strong enough to withstand even severe service. Net weight 371 lbs. Shipping weight 450 lbs. When

mounted on steel stand with 16" wheels, so placed that the machine balances easily, it may be readily moved about by one man. Machine occupies a bench space of only 36" x 14" and is only 20" high.

**MOTOR**—Regularly furnished with universal type motor which operates from any 115 volt lamp socket. Reversible by a turn of the switch and is ball bearing. Has excess reserve power far beyond all needs. Can also be furnished with 230 volt universal motor at same price.

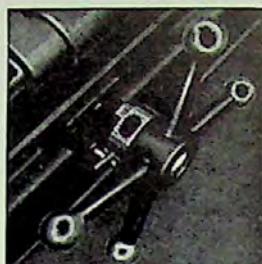
**CHUCK**—Heavy 3-jaw universal geared type. Ejector fingers will remove wrench if left in by mistake.

**GEARS**—All gears are fully guarded and run in an oil bath. An adjustable safety friction gear protects the machine in the event of overload.

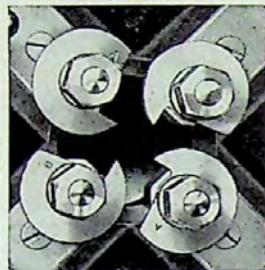
**OIL PUMP**—Centrifugal type. Will pass dirt and chips without clogging.

**REGULAR EQUIPMENT**—Each machine furnished complete with cable wrenches and die heads and dies, as specified below or with any combination of die heads and dies. Price quoted on request.

**ADDITIONAL EQUIPMENT**—Electric conduit dies, left hand pipe dies and bolt dies for Super model only—can be furnished and quoted on request. Universal Drive Shaft to operate large geared tools can be furnished at a net price of \$20.00.



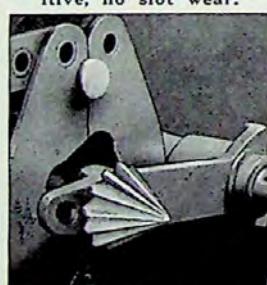
Carriage Feed Wheel showing also Thread Length Gauge.



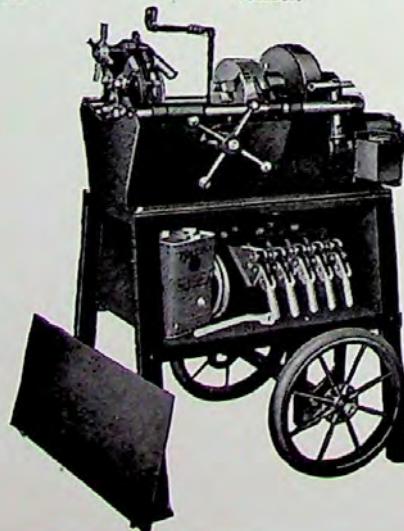
Four Cutter Knives all cut simultaneously. Smooth, swift cutting.



All steel hinged type Die Heads, Quick acting, positive, no slot wear.



Cone Type Fluted Reamer is fed by Carriage Feed Wheel.

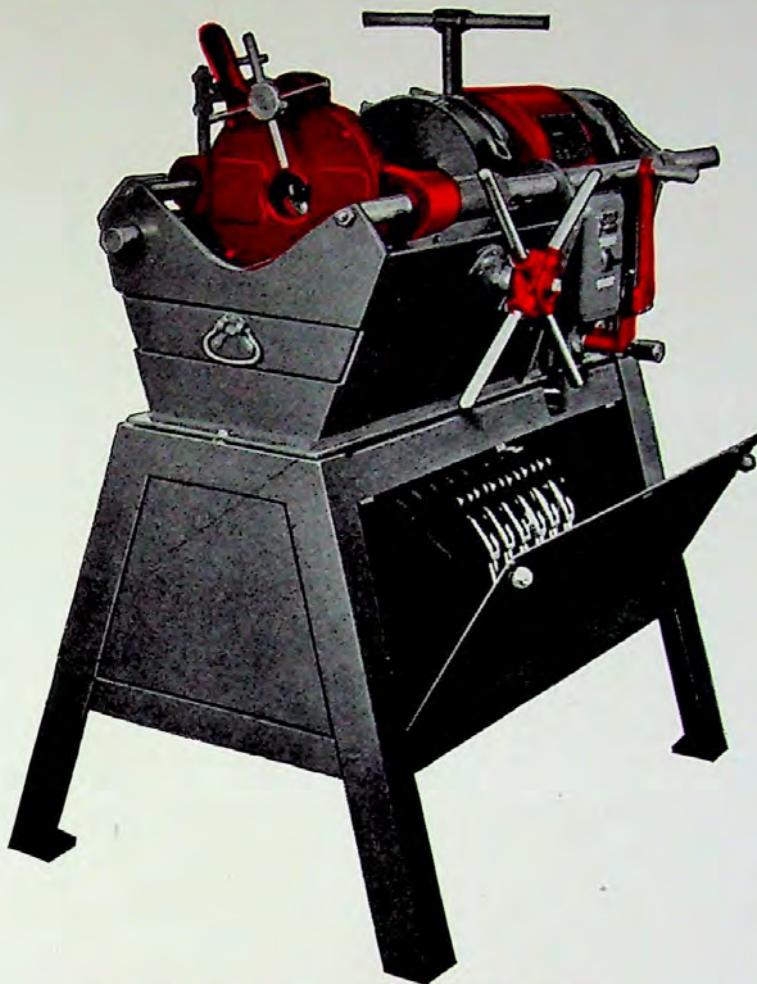


### Machine, Extra Parts

### Ship. Wt.

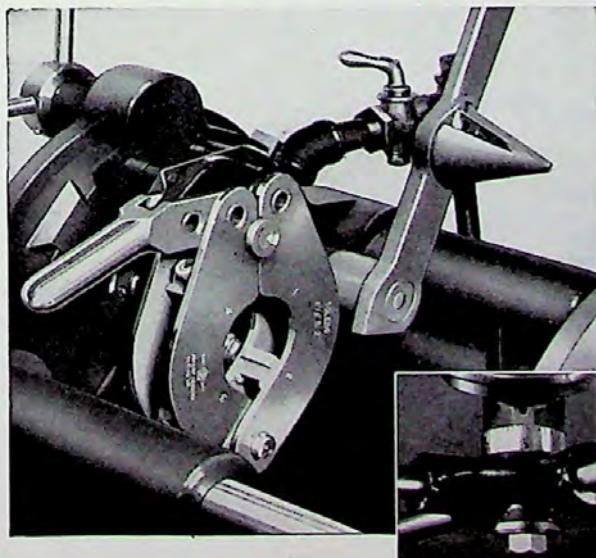
No. 999 Super, complete with 6 Q. O. Die Heads and $\frac{1}{2}$ " to 2" R. H. Pipe Dies (6 Sets)	450 lbs.
No. 999 Super, complete with 3 Q. O. Die Heads and $\frac{1}{2}$ " to 2" R. H. Pipe Dies (6 Sets)	432 lbs.
No. 999 Super, complete with 3 Q. O. Die Heads and $\frac{1}{8}$ " to 2" R. H. Pipe Dies, (9 Sets)	433 lbs.
No. 999 Standard, complete with 6 Non-Opening Die Heads and $\frac{1}{2}$ " to 2" R. H. Pipe Dies (6 Sets)	434 lbs.
No. 999 Standard, complete with 9 Non-Opening Die Heads and $\frac{1}{8}$ " to 2" R. H. Pipe Dies (9 Sets)	440 lbs.
Enclosed Steel Stand with Partitioned Die Head Box and 16" Steel Tired Wheels	113 lbs.

Machine on enclosed stand with Rubber-Tired Wheels.



## "TOLEDO" 2" HIGH SPEED POWER PIPE MACHINE

A high speed, high production pipe machine to cut, thread, and ream pipe up to 2" inclusive. Frame is all steel. Bed is strong, rigid, and unusually deep. Threads pipe up to 2", bolts from  $\frac{3}{8}$ " to  $1\frac{1}{2}$ ". Net weight 850 lbs. Floor space 36" x 27". Overall 31" x 45". Total height 47".



Six spindle speeds are obtained with one clutch lever and gear shifting lever, with speeds varying from 40 to 340 R.P.M. Cutting speed approximately three times threading speed. Multiple disc clutch with brake permits stopping spindle instantly or easing it over to any position. Electrical reverse.

**DIES AND DIE HEADS**—A separate quick-opening hinge-type die head and a separate set of dies used for each size pipe. Changed instantly.  $\frac{1}{2}$ " to 2" dies highspeed steel, easily resharpened. Adjustable. 1" to 2" dies are the rake type.  $\frac{1}{2}$ " pipe threaded in 6 seconds, 2" in 15 seconds. Thread length gauge.

**CUTTING**—Four high speed steel cutter knives cut off pipe smoothly and rapidly with square end cut.  $\frac{1}{2}$ " cut off in 3 seconds, 2" in 6 seconds.

**OIL PUMP**—Centrifugal type. Will pass dirt and chips.

**REAMING**—Cone type single blade reamer. Reams quickly and fed by carriage feed wheel.

**CHUCKS**—Two—front and rear—9" 3-jaw universal type. Chuck wrench ejector fingers. Rear chuck fitted with pipe tong supports.

**GEARS**—Machine cut, accurately fitted, run in an oil bath and fully guarded. Machine equipped with safety friction gear, friction clutch, and thermal overload circuit breaker.

**MOTOR**—1 1/2 H.P. heavy duty. Hung on the rear of the machine, away from floor dirt. Adjustable chain drive.

**EQUIPMENT**—Regularly furnished with six separate quick-opening die heads and a separate set of high speed steel dies for each size pipe  $\frac{1}{2}$ " to 2" incl., set of high speed steel cutter knives, reamer, wrenches, adjustable pipe support, and 3 gal. of thread-cutting oil.

**THE SPEEDS**—The threading and cutting speeds of the "TOLEDO" 2" HIGH SPEED Power Pipe Machine in feet per minute when operated by a 60 cycle 1750 R.P.M. motor are given below: Motor chain drive ratio is 19 to 37. Clutch shaft speed is 898.6 R.P.M.

Pipe Size	THREADING			CUT OFF			
	O.D. Pipe Inches	LOW RPM	MED RPM	HIGH RPM	LOW RPM	MED RPM	HIGH RPM
$\frac{1}{2}$	.840	8.83	13.37	<b>22.10</b>	29.55	44.70	<b>73.8</b>
$\frac{3}{4}$	1.050	11.04	16.70	<b>27.60</b>	36.95	55.90	<b>92.2</b>
1	1.315	13.82	<b>20.90</b>	34.55	46.30	<b>70.00</b>	115.5
$1\frac{1}{4}$	1.660	17.47	<b>26.45</b>	43.60	58.40	88.40	146.
$1\frac{1}{2}$	1.900	<b>20.00</b>	30.25	50.00	<b>66.90</b>	101.20	167.
2	2.375	<b>25.60</b>	37.80	62.40	<b>88.60</b>	126.50	209.

Bold Face Type Shows Recommended Speeds

Machine Complete, Extra Parts	Ship. Wt. Approx.
2" H. S. complete with 220-440 Volt, 3 Phase 60 Cycle Motor	1100 lbs.
2" H. S. complete with 230 Volt, 1 Phase 60 Cycle Motor	1100 lbs.
2" H. S. complete with 220-440 Volt, 3 Phase 25 Cycle Motor	1100 lbs.
2" H. S. complete with D.C. 230 Volt Motor	1100 lbs.

See page 2 for prices

### "TOLEDO" 2" HIGH SPEED WITH COLLET CHUCK

This is a high production power machine to cut thread and ream pipe up to 2" and bolts up to  $1\frac{1}{2}$ ". The lever actuated quick-acting collet chuck permits chucking the work without stopping the spindle and thereby greatly increases the productivity. Complete illustrated folder sent on request.

2" H. S. with collet, quick-acting chuck and 220-440 volt 3 phase 60 cycle motor for threading  $\frac{1}{2}$  to 2 inch pipe—1100 lbs. page 2



## "TOLEDO" No. 1-2-4 Power Pipe Machine

Similar to the 2" High Speed, but larger and heavier. Capacity pipe  $\frac{1}{2}$ " to 4", bolts from  $\frac{3}{8}$ " to 2".

**THREADING**—A separate quick-opening die head and separate set of dies is used for each size pipe 2" pipe is threaded in 18 seconds, 3" pipe in 30 seconds, and 4" pipe in 42 seconds, and even faster speeds can be obtained. Thread length gauge.

**DIE HEADS**—Hinged type and dies adjustable. Die heads changed instantly from one size to another. Dies are rake type, and H.S. steel, easily reground.

**CUTTING**—Four cutter knives, cut simultaneously. Scroll fed. Cut 2" pipe off in  $3\frac{1}{2}$  seconds, 4" pipe in 9 seconds. Smooth, square end cuts.

**Reaming**—Cone type, single blade reamer.

**CHUCKS**—Two—front and rear—14" 3-jaw universal type. Wrench ejector fingers. Rear chuck has special chuck jaws for holding flanges and fittings, and pipe tong supports.

**CONTROLS**—Six spindle speeds are obtained by one clutch lever and gear shifting lever. Vary from 17.5 to 144 R.P.M. Electrical reverse.

**GEARS**—Machine cut and run in an oil bath. Machine has safety friction gear. Multiple disc clutch.

**OIL PUMP**—Centrifugal. Assures ample oil flow.

**MOTOR**—3 H.P., heavy duty. Hung at rear of machine, away from floor dirt. Chain drive, adjustable and fully guarded. Protected by thermal overload circuit breaker.

**GENERAL INFORMATION**—Machine weighs 1750 lbs. net. Floor space 35" x 46" Overall 40" x 58".

**EQUIPMENT**—Regularly furnished with eight separate quick-opening die heads and a set of high speed steel dies for each size pipe 1" to 4" incl., a set of high speed cutter knives, reamer, wrenches, adjust. pipe support and 5 gal. of thread-cutting oil.

**THE SPEEDS**—The threading and cutting speeds of the No. 1-2-4 Pipe Machine in feet per minute when operated by a 60 cycle 1750 R.P.M. motor are given below: Motor chain drive ratio is 17 to 52—Clutch shaft speed is 574.2 R.P.M.

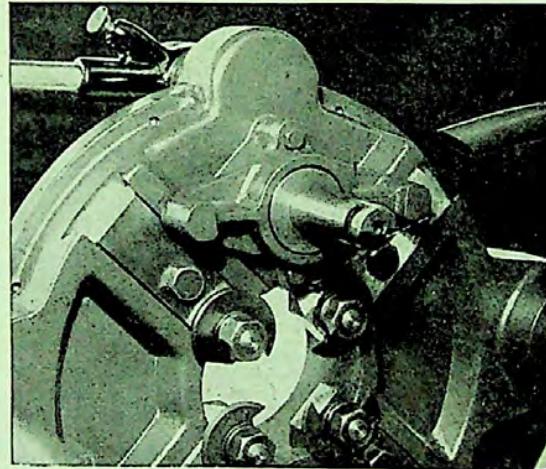
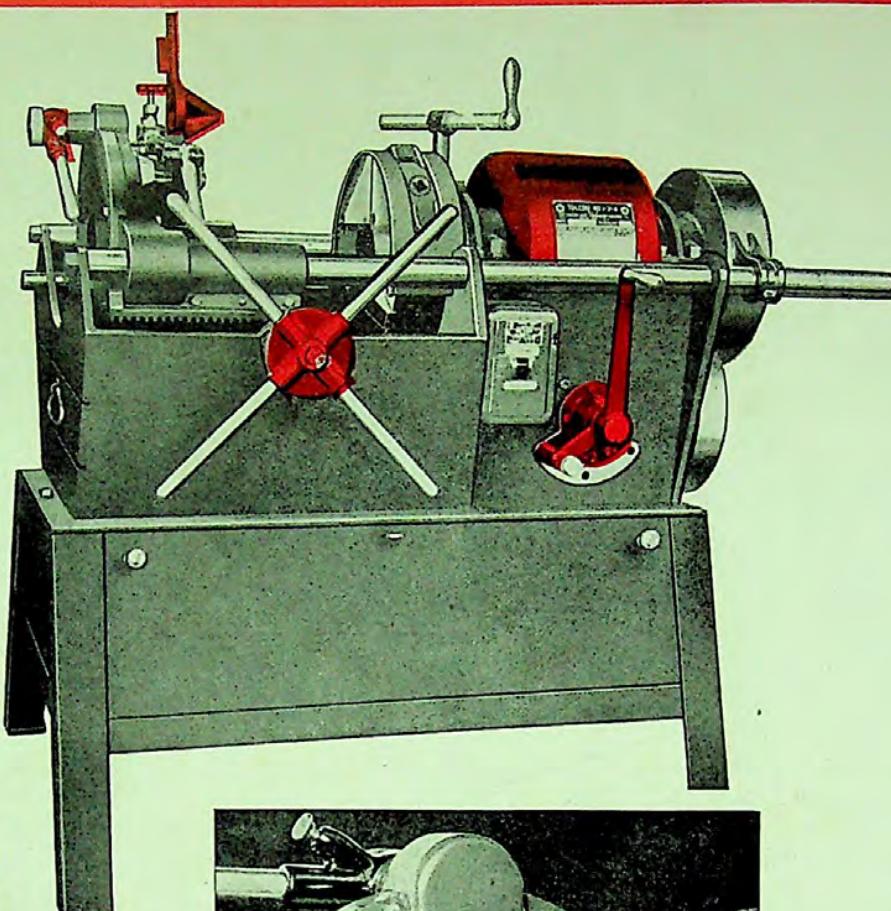
Size Pipe	Pipe O.D. Inches	THREADING			CUT OFF		
		40.20 LOW	60.82 MED	100.36 HIGH	134.56 LOW	203.61 MED	335.95 HIGH
1	1.315	5.89	7.82	13.80	21.10	28.15	49.5
1 $\frac{1}{4}$	1.660	7.44	9.88	17.42	26.65	35.50	62.5
1 $\frac{1}{2}$	1.900	8.52	11.30	19.92	30.50	40.60	71.6
2	2.375	10.65	14.15	24.90	38.20	50.80	89.4
2 $\frac{1}{2}$	2.875	12.90	17.10	30.20	46.20	61.50	108.2
3	3.500	15.70	20.85	36.80	56.30	75.00	131.9
3 $\frac{1}{2}$	4.000	17.92	23.80	42.00	64.30	85.60	150.8
4	4.500	20.15	26.80	47.20	72.30	96.30	169.2

Bold Face Type Shows Recommended Speeds

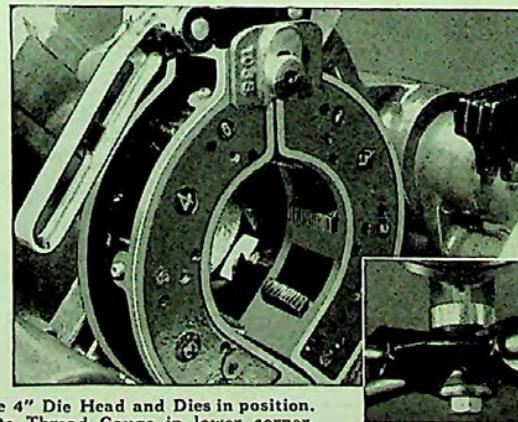
Ship. Wt.  
Approx.

Machine Complete, Extra Parts	
No. 1-2-4 Complete with 220-440 Volt, 3 Ph. 60 Cycle Motor	2500 lbs.
No. 1-2-4 Complete with 220-440 Volt, 3 Ph. 25 Cycle Motor	2500 lbs.
No. 1-2-4 Complete with 230 Volt only, 1 Ph. 60 Cycle Motor	2500 lbs.
No. 1-2-4 Complete with D. C. 230 Volt Motor	2500 lbs.

See page 2 for prices



Four Cutter Knives fed by the Ratchet Handle cut off 4" pipe in nine seconds and leave a straight, square end cut without burr. Note the strong construction.



The 4" Die Head and Dies in position.  
Note Thread Gauge in lower corner.